

# ETSI TS 101 270-2 V1.2.1 (2003-07)

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*Technical Specification*

## **Transmission and Multiplexing (TM); Access transmission systems on metallic access cables; Very High Speed Digital Subscriber Line (VDSL); Part 2: Transceiver specification**

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Reference

RTS/TM-06023

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## Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Transmission and Multiplexing (TM).

The present document is part 2 of a multi-part deliverable covering the Transmission and Multiplexing (TM); Access transmission systems on metallic access cables; Very High Speed Digital Subscriber Line (VDSL), as identified below:

Part 1: "Functional requirements";

**Part 2: "Transceiver specification issue 2".**

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## 1 Scope

The present document specifies requirements for transceivers that provide very high bit-rate digital transmission on metallic, unshielded, access network wire pairs. The technology is referred to as Very high speed Digital Subscriber Line (VDSL).

This present document is part 2 of the specification for VDSL and is applicable to metallic access transmission systems designed to provide multi-megabit/s digital access over part of the existing, unshielded, metallic access network. It is concerned with the specification of the line-code and duplex method which enable the requirements stated in TS 101 270-1 to be met.

The present document allows the VDSL transceiver to be implemented using either Single Carrier or Multi-Carrier modulation schemes.